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(21) International Application Number: PCT/US99/00613 (22) International Filing Date: 12 January 1999 (12.01.99) (30) Priority Data: 09/005,474 12 January 1998 (12.01.98) US (63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US 09/005,474 (CIP) Filed on 12 January 1998 (12.01.98) (71)(72) Applicants and Inventors: BUCHWALD, Henry [US/US]; 6808 Margaret's Lane, Edina, MN 55439 (US). MENCHACA, Hector J. [MX/US]; 401 South First Street # 1408, Minneapolis, MN 55401 (US). MICHALEK, Van [US/US]; 2839 Aglen Avenue North, Roseville, MN 55113 (US). O'DEA, Thomas, J. [US/US]; 925 Arbogast Street, Shoreview, MN 55120 (US). ROHDE, Thomas, D. [US/US]; 702 Third Avenue S.E., Minneapolis, MN 55414 (US). (74) Agent: DAIGNAULT, Ronald; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: METHOD AND APPARATUS FOR DETERMINING BLOOD OXYGEN TRANSPORT (57) Abstract <p>The present invention relates to a method and apparatus for determining blood oxygen transport, and to measure lipid levels by correlating these levels with the rate at which oxygen diffuses through the red blood cell membrane.</p>		